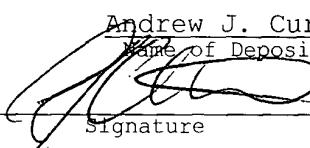


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: Wu et al.

Title: **HAND GESTURE INTERACTION WITH TOUCH SURFACE**

EXPRESS MAIL mailing label number: EV 102067365 US	Date of Deposit: <u>September 10 2003</u>
I hereby certify that this correspondence is being deposited with the United States Postal Service as EXPRESS MAIL in an envelope addressed to: The Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450, on:	
<p style="text-align: center;">Andrew J. Curtin Name of Depositor  Signature</p>	

\* \* \*

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Pursuant to 37 C.F.R. §1.56(a), Applicant hereby cites the following documents (copies enclosed) listed on the attached copy of Form PTO-1449.

This Information Disclosure Statement is filed in accordance with the paragraph of 37 CFR §1.97 checked below:

X 1.97(b) This Information Disclosure Statement is filed:

- \* Within three months of the filing date of a national application; OR
- \* Within three months of the date of entry of the national stage of an international application; OR
- \* Before the mailing of a first Office Action on the merits.

No fee or certification is required.

— 1.97I This Information Disclosure Statement is filed after the period specified in paragraph (b) above, but before the mailing date of either:

- \* A Final Action under 37 CFR 1.113; OR
- \* A Notice of Allowance under 37 CFR 1.311;

MERL-1498

AND is accompanied by either:  
(check one)

the Certification under 37 CFR  
1.97(e) as set out below; OR

the fee of \$240.00 under 37 CFR  
1.17(p).

1.97(d) This Information Disclosure Statement is filed  
after the mailing date of either:

\* A Final action under 37 CFR 1.113; OR

\* A Notice of Allowance under 37 CFR  
1.311;

BUT before payment of the Issue Fee, AND is accompanied  
by:

\* the Certification under 37 CFR 1.97(e)  
as set out below; AND

\* Petition is hereby made under 37 CFR  
1.97(d) for consideration of this Information  
Disclosure Statement; AND,

\* Authorization to charge the petition fee  
of \$130.00 as set out in 37 CFR 1.17(i).

If this Information Disclosure Statement is being filed

under 37 CFR 1.97I or 1.97(d), the undersigned Attorney hereby certifies that:

- each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of this Statement;
- or**
- no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, or to the knowledge of the undersigned Attorney after making reasonable enquiry, was known to any individual designated in 37 CFR 1.56I more than three months prior to the filing date of this Statement.

MERL-1498

Authorization is hereby given to charge the indicated fee(s) to Deposit Account No. 50-0749.

Please charge any additional fee due for this paper to Deposit Account No. 50-0749.

Respectfully submitted,

MITSUBISHI ELECTRIC RESEARCH LABORATORIES

By:

\_\_\_\_\_  
Andrew J. Curtin  
Reg. No. 48,485  
Attorney for Assignee

Mitsubishi Electric Research Laboratories, Inc.  
201 Broadway  
Cambridge, Massachusetts 02139  
(617) 621-7539

Customer No. 022199

Enclosures

Form PTO-1449 (modified 2/91)	U.S. DEPT OF COMMERCE Patent and Trademark Office	Attorney Docket Number: MERL-1497	Serial Number:
<b>INFORMATION DISCLOSURE CITATION</b>			
(Use several sheets if necessary)			
Applicant: Wu et al.			
Filing date: Herewith	Group art area:		

**U.S. PATENT DOCUMENTS**

Exam- iner Initial	Patent number	Date	Name	Class	Subclass	Filing date if appropriate
	6,498,590	12/24/2002	Dietz, et al.	343	893	

**FOREIGN PATENT DOCUMENTS**

	Document number	Date	Country	Class	Subclass	Translation	
						YES	NO

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

	Ringel et al., "Barehands: Implement-free interaction with a wall-mounted display," Proc CHI 2001, pp. 367-368, 2001
	Rekimoto "SmartSkin: an infrastructure for freehand manipulation on interactive surfaces," Proc CHI 2002, pp. 113-120, 2002
	André et al., "Paper-less editing and proofreading of electronic documents," Proc. EuroTeX, 1999
	Guimbretiere et al., "Fluid Interaction with high-resolution wall-size displays. Proc. UIST 2001, pp. 21-30, 2001
	Hong et al., "SATIN: A toolkit for informal ink-based applications," Proc. UIST 2000, pp. 63-72, 2001
	Long et al., "Implications for a gesture design tool," Proc. CHI 1999, pp. 40-47, 1999
	Moran et al., "Pen-based interaction techniques for organizing material on an electronic whiteboard," Proc. UIST 1997, pp. 45-54, 1992
	Cutler et al., "Two-handed direct manipulation on the responsive workbench," Proc I3D 1997, pp. 107-114, 1997
	Koike et al., "Integrating paper and digital information on EnhancedDesk," ACM Transactions on Computer-Human Interaction, 8 (4), pp. 307-322, 2001
	Oka et al., "Real-time tracking of multiple fingertips and gesture recognition for augmented desk interface systems," IEEE Computer Graphics and Applications, Vol. 22, No. 6, pp. 64-71, November-December 2002
	Pavlovic et al., "Visual interpretation of hand gestures for human-computer interaction: A review," IEEE Transactions on Pattern Analysis and Machine Intelligence, 19 (7). pp. 677-695, 1997

	Sears et al., "High precision touchscreens: design strategies and comparisons with a mouse," International Journal of Man-Machine Studies, 34 (4). pp. 593-613, 1991
	Albinsson et al., "High precision touch screen interaction," Proc CHI 2003, pp. 105-112, 2003
	Myers et al., "Interacting at a distance: Measuring the performance of laser pointers and other devices," Proc. CHI 2002, pp. 33-40, 2002
	Dietz et al., "DiamondTouch: A multi-user touch technology," Proc. User Interface Software and Technology (UIST) 2001, pp. 219-226, 2001
Examiner:	Date Considered:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP ,609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.